

M3T Mini vet

Veterinary Monitor

The smallest footprint, most attractive, compact vital signs monitor globally



[Features]

- ✓ The smallest most compact vital signs monitor footprint in the world
- ✓ Accurate Perfusion Index PI = 0.05% . With revolutionary, advanced movement compensation. Provide the parameter of PI (Perfusion Index 0.05%–20%)
- ✓ Accurate measurement in all kind of extreme environment measurement such as neonatal and shock patients
- ✓ NIBP adopts – SAWAA (Self-Adaptive-Waveform-Amplitude-adjustment) and SAFD (Self-Adaptive-fast-Deflation) algorithms
- ✓ Easy operation by 3.5" color TFT
- ✓ Up to 100 users ID switch
- ✓ M-Series monitors configured for departmental collocation parameters
 - M3S = SpO2
 - M3ST = SpO2 + TEMP
 - M3NT = NIBP + TEMP
 - M3T = SpO2 + NIBP + TEMP
 - M3C = CO2 + SpO2
 - M3E = SpO2 + EtCO2 + NIBP
- ✓ Two measurement modes: Spot or Monitoring modes
- ✓ Data storage capabilities - historical data view, trend graph view.
 - Monitoring mode - continuous recording, 48 hours of measurement data.
 - Spot mode - 100 user ID's, each user can store 200 data sets.
- ✓ Audible and visual alarms, with upper and lower alarm limit adjustment
- ✓ Lithium ion battery power supply
- ✓ Optional charging docking station

Performance Specifications

Display	3.5' ' color TFT	Resolution	320*480
Indicator	Alarm indicator, Power indicator	Trace	1 plethysmogram waveform
Alarm	Probe off, low power	Modes	Visual and Audio
Application	Big and small animals		

✓ NIBP

- The wider NIBP measurement range

	Big animal	Small animal
SYS	40 ~ 270mmHg	40 ~ 200mmHg
MEAN	20 ~ 230mmHg	20 ~ 165mmHg
DIA	10 ~ 210mmHg	10 ~ 150mmHg

Pulse rate range: 40~240bpm

- NIBP measurement accuracy: ±3mmHg
- Pulse rate measurement accuracy: <=2% (>=100 BPM) or 2 beats/min (<100 BPM)
- Independent software protection pressure
Big animal: 300mmHg Small animal: 300mmHg
- Independent hardware protection pressure
Big animal: 320~330mmHg Small animal: 320~330mmHg



✓ Oxygen Saturation (%SpO2)

- Measurement range:
measure range
SpO2: 0~100% PR: 0~500bpm
Perfusion index: 0.05%~20%
Accuracy range:
SpO2 saturation: 70~100%
Pulse rate: 20~500BPM
Perfusion Index:0.025%~20%
- Measurement accuracy
SpO2: Big animal (including pediatric) + 2digit (70~100%) not defined (<70%)
Small animal + 3 digits not defined (<70%)
On motion condition + 3digit
PR: big/small animal (including pediatric) + 3digits
On motion condition + 3digit
Perfusion Index:0.05%~20%
- Resolution
SpO2 saturation: 1%
Pulse rate: 1BPM

✓ Temperature

- Measurement range: 25 — 45°C
- Resolution: 0.1°C
- Accuracy: 0.1°C
- ✓ Power Type: Lithium ion battery
Operation time: 8 hours for normal operation
- ✓ Temperature: Operating: 0°C~45°C Storage/Transportation: -20°C~65°C
- ✓ Humidity: Operating: 15% to 90% noncondensing
Storage: 0% to 95% noncondensing
- ✓ Altitude: Operating Altitude: Up to 5000 meters
- ✓ SIZE: Dimension 146mm*67mm*30mm Weight 250g

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CO₂

Measurement range:

ETCO₂: 0-150mmHg (0-19.7%) (0-20kPa) RR: 3-150BPM

Accuracy range:

ETCO ₂ Range	Accuracy
0-40mmHg	±2mmHg
41-70mmHg	±5% of reading
71-100mmHg	±8% of reading
101-150mmHg	±10% of reading

RR Accuracy: ±1BPM

Resolution:

ETCO₂: 0.1mmHg RR: 1BPM

Setting compensation parameters

Pressure range: 450-850mmHg

Oxygen range: 0-100%

Equilibrium gas: N₂O, He

Power Requirements: 5.0vdc ±5%, 1A (Module average power consumption is less than 1.3W)

Temperature: Work Environment: 10 - 40°C
Storage Environment: -40 - 70°C

Humidity: Work Environment: 10% - 90% RH
Storage Environment: <90% RH

